

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A method for transpulmonary cooling, comprising the steps of:  
providing a liquid having a boiling point of 38 – 300 °C;  
nebulizing the liquid to form a mist; and  
delivering the mist to the airway of a patient so that the patient inhales the mist to  
cause systemic cooling.
2. (Original) The method of claim 1, wherein the liquid has a boiling point of 38-  
200 °C.
3. (Original) The method of claim 1, wherein the liquid has a boiling point of 38-  
150 °C.
4. (Original) The method of claim 1, wherein the liquid or liquid mist is cooled to  
below body temperature before delivery.
5. (Original) The method of claim 1, wherein the liquid or liquid mist is cooled to  
10 °C or less before delivery.

6. (Original) The method of claim 1, wherein the liquid comprises at least one highly fluorinated compound.
7. (Original) The method of claim 6, wherein the at least one highly fluorinated compound comprises a linear compound.
8. (Original) The method of claim 6, wherein the at least one highly fluorinated compound comprises a branched compound.
9. (Original) The method of claim 6, wherein the at least one highly fluorinated compound comprises a cyclic compound.
10. (Original) The method of claim 6, wherein the at least one highly fluorinated compound comprises a saturated compound.
11. (Original) The method of claim 6, wherein the at least one highly fluorinated compound comprises an unsaturated compound.
12. (Original) The method of claim 6, wherein the at least one highly fluorinated compound comprises at least one heteroatom.
13. (Original) The method of claim 6, wherein the at least one highly fluorinated compound comprises at least one hydrogen.

14. (Original) The method of claim 6, wherein the highly fluorinated compound comprises at least one halogen.

15. (Original) The method of claim 1, wherein the liquid is a fluorocarbon.

16. (Original) The method of claim 6, wherein the highly fluorinated compound is a perfluoroalkane of the formula  $C_nF_{2n+2}$ .

17-29. (Canceled)

30. (Original) The method of claim 1, wherein the liquid mist further comprises at least one additional fluorinated component.

31. (Original) The method of claim 30, wherein the at least one additional fluorinated component boils below 37 °C.

32-63. (Canceled)

64. (Original) A composition for transpulmonary cooling, comprising:  
a nebulized liquid in the form of a mist, the liquid having a boiling point of 38 – 300 °C.

65-111. (Canceled)

112. (Original) A medical device for transpulmonary cooling, comprising:  
an inhaler device; and  
a nebulized liquid in the form of a mist the liquid having a boiling point of 38 – 300

°C.

113-149. (Canceled)

150. (Original) A method for transpulmonary cooling, comprising the steps of:  
providing a liquid fluorocarbon;  
nebulizing the liquid to form a mist;  
delivering the mist to the airway of a patient so that the patient inhales the mist to  
cause systemic cooling;  
recovering the fluorocarbon from an expired gas; and  
recirculating the recovered fluorocarbon to the patient.

151. (Canceled)